

This document is a draft of a future solicitation and is subject to change without notice. This is not an advertisement.

**MIAMI-DADE COUNTY, FLORIDA
NOTICE TO PROFESSIONAL CONSULTANTS
MIAMI-DADE WATER AND SEWER DEPARTMENT
ENGINEERING AND GEOLOGICAL SERVICES
WATER, WASTEWATER AND RECLAIMED WATER
PLANNING SERVICES
PROJECT NO. E14-WASD-01**

The County Mayor, Miami-Dade County, pursuant to Chapter 287.055, Florida Statutes, Sections 2-8.1 and 2-10.4 of the Miami-Dade County Code, Implementing Order 3-34, and Administrative Order 3-39, announces that the Miami-Dade Water and Sewer Department (WASD) will require one (1) qualified consultant to provide engineering and geological services in the areas of water, wastewater and reclaimed water for the WASD Planning Division.

Planning services are anticipated to include, but are not be limited to, development of water and wastewater flow projections; hydraulic modeling of the water transmission/distribution and wastewater collection/transmission system including model updates with new facilities, flow projections, calibration and the development and analysis of alternatives for proposed piping/pump station facilities necessary for future conditions including the review of present operations and identification of facilities for improvements, including energy reductions; establishment of water quality objectives for the distribution system; reclaimed water master planning; preparation of master plan documents; master plan financial analysis, assisting WASD staff in responding to regulatory agency Request for Information; preparation of Basis of Design Reports for facilities identified in master plans and other WASD projects; conducting evaluations to ensure that adequate capacity exists for new development projects and the determination of design conditions for new facilities; assistance in interfacing with the developer community regarding areas with high development activity; operational studies; hydrogeological evaluations including groundwater and the identification of future water supplies; supervision and geological evaluations of drilling water supply production, monitoring, reclaimed water and deep injection wells; water quality sampling and analysis; treatment process identification and evaluation as it relates to master planning and process optimization; cost estimating including life cycle costs (operation, maintenance, replacement) and scheduling; assistance in the implementation and managing of WASD Water Supply Certification program including calculating and tracking the required water for development activities to ensure that adequate water is available and that the total system allocation in WASD twenty (20) year permit is not exceeded; assistance in the management of Planning functions which are part of WASD Project Control and Tracking System using Proliance software, and assistance with Comprehensive Planning reviews for Comprehensive Development Master Plan, Development Impact Committees, Water Supply Plans, Florida Department of Transportation and Comprehensive Plan Amendments; and assistance in updating flows in Chapter 24 of the Miami-Dade County Code.

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WASD intends to retain one (1) qualified Consultant under a non-exclusive Professional Services Agreement with a three (3) year term with a two (2) year option-to-renew at the County's sole discretion will be awarded under this solicitation. Maximum compensation for the five (5) year term is five million (\$5,000,000.00), plus contingency in accordance with Ordinance 00-65. No minimum amount of work or compensation will be assured to the retained consultant(s). The County reserves the right to re-use the work products of the retained consultant and to retain other consultants to provide the same or similar services at its sole discretion.

A/E TECHNICAL CERTIFICATION REQUIREMENTS

Prime

- 6.01 Water Distribution and Sanitary Sewage Collection and Transmission Systems
- 6.02 Major Water and Sanitary Sewage Pumping Facilities
- 6.03 Water and Sanitary Sewage Treatment Plants

Prime and/or Sub-consultants

- 10.02 Geology Services
- 10.09 Wellfield, Groundwater and Surface Water Protection and Management

BREAKDOWN LIST

Technical Categories	Description	Percentage	
		Category	CBE %
6.01 PRIME	Water Distribution and Sanitary Sewage Collection and Transmission Systems	30	10
6.02 PRIME	Major Water and Sanitary Sewage Pumping Facilities	25	8
6.03 PRIME	Water and Sanitary Sewage Treatment Facilities	20	4
10.02	Geology Services	15	2
10.09	Wellfield, Groundwater and Surface Water Protection and Management	10	1
	Totals	100%	25%

Minimum Experience and Qualifications

The Prime Consultant must demonstrate completion of at least two (2) water and two (2) wastewater master plans for utilities with total projected average flow of over ten (10) million gallons per day (mgd) within the last ten (10) years from the date of this solicitation.

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The Prime Consultant must also demonstrate completion of the development of a reclaimed water system master plans of over two-hundred thousand fifty thousand (250,000) gpd in the last ten (10) years from the date of this solicitation.

The Prime Consultant is requested to demonstrate experience with Innovyse Infoworks CS wastewater hydraulic modeling software with a minimum of fifty (50) pump stations, one thousand (1,000) pressure links, three thousand (3,000) gravity links, and Innovyse Infowater software with fifty thousand (50,000) links minimum. Experience is defined for hydraulic models described as original model construction, model calibration and/or operation of model for the analysis of networks associated master plans for at least two (2) water and two (2) wastewater models of the sizes indicated.

Prime and/or Subconsultants

The Prime and/or Subconsultant is requested to demonstrate experience with groundwater numerical modeling including MODFLOW and pre- and post-MODFLOW processors; experience with supervision and geological evaluations of drilling water supply production wells, monitoring wells, and deep injection wells; water quality sampling and analysis.

The expertise must be met by a qualified individual(s) of the prime firm and/or subconsultants. The experience must be demonstrated by direct or substantial involvement of the individual(s) in a supervisory capacity at the Project Manager level or above. The determination of the individual's qualifications and compliance with the experience and qualifications shall be at the sole discretion of the County. The Competitive Selection Committee may negatively evaluate proposals from firms they determine have failed to meet the above experience and qualification(s).